



Experimental Assessment of the Glued Laminated Timber Beams in 4-Point Bending Tests and Photoelastic Coating Technique

<https://research.thinkwood.com/en/permalink/catalogue31>

Author: Ludomir Jankowski
Tomasz Nowak

Publisher: Scientific.net

Year of Publication: 2015

Country of Publication: Switzerland

Format: Journal Article

Material: Glulam (Glue-Laminated Timber)

Application: Beams

Topic: Mechanical Properties

Keywords: Failure
Four Point Bending Test
Modulus of Elasticity
Bending Strength
Photoelastic Coating Technique
Strain Gauge Method

Language: English

Research Status: Complete

Series: Solid State Phenomena

Notes: doi:10.4028/www.scientific.net/SSP.240.155

Abstract:

The paper presents the results of investigation on seven glued laminated timber (GL24h class) bending beams. Bending strength and modulus of elasticity were determined. The beams were tested for four-point bending by loading them at a constant speed defl...

Online Access: Free

Resource Link

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.970.7538&rep=rep1&type=pdf>